

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#3

In re Application of: ) PATENT  
 Yaochun SHEN et al. )  
 Serial No.: (PCT/GB2003/003888) ) GROUP:  
 Filed: (8 September 2003) ) EXAMINER:  
 TERAHERTZ SPECTROSCOPY ) CUSTOMER NO.: 25269  
 ) CONFIRMATION NO.:

\* \* \* \* \*

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

March 7, 2005

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the information item(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each item is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the item(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date, OR (b) before the mailing date of a first Office Action on the merits in the present application, OR (c) accompanies a Request for Continued Examination. No certification or fee is required.
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

- ☐ c. A check in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 04-2223 as needed to ensure consideration of the disclosed information.
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check in the amount of \$180.00 in payment of the petition fee under 37 CFR §1.17(i)(1). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 04-2223 as needed to ensure consideration of the disclosed information.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

Respectfully submitted,

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(March 7, 2005)

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Sheet 1 of 1**INFORMATION DISCLOSURE STATEMENT**  
**Form PTO-1449**  
(Use several sheets if necessary)ATTY. DOCKET NO.  
**66347-119-2**SERIAL NO.  
(PCT/GB2003/003888)  
**10/526982**APPLICANT  
**Yaochun SHEN et al.**FILING DATE  
(8 September 2003)GROUP  
**To be assigned****U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

**U.S. PATENT APPLICATION PUBLICATIONS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	<b>2002/0074500 A1</b>	<b>6/2002</b>	<b>Mickan et al.</b>			
	<b>2002/0067480 A1</b>	<b>6/2002</b>	<b>Takahashi</b>			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, etc.)

	<b>A. J. Fitzgerald et al., "An introduction to medical imaging with coherent terahertz frequency radiation" Phys. Med. Biol., vol. 47, 20 March 2002, pp. R67-R84, XP002266374</b>
	<b>G. Zhao et al., "Design and performance of a THz emission and detection setup based on a semi-insulating GaAs emitter" Review of Scientific Instruments, vol. 73, no. 4, April 2002, pp. 1715-1719, XP002266373.</b>
	<b>Y. C. Shen et al., "Design and performance of a novel vacuum-capable terahertz time-domain spectrometer" 2002 IEEE Tenth International Proceeding, 9 September 2002, pp. 165-168, XP010605660.</b>
	<b>Y. C. Shen et al., "Light-induced difference terahertz spectroscopy and its biomedical applications" 2002 IEEE Tenth International Conference on Terahertz Electronics Proceedings, 9 September 2002, pp. 161-164, XP010605659.</b>
	<b>R.M. Woodward et al., "Terahertz pulse imaging of in-vitro basal close cell carcinoma samples" Conference on Lasers and Electro-Optics (CLEO 2001), vol. 56, 6 May 2001, pp. 329-330, XP010559901</b>

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.